

What is claimed is:

1. A fluid flow transducer module comprising:

a first fluid flow conduit having an inlet for receiving
fluid from a fluid discharging apparatus;

a transducer associated with said conduit for measuring rate
of flow of the fluid through said conduit;

an interface in communication with said transducer and
adapted to receive rate of flow measurements from said
transducer and to effect at least one of (i) a display
of measurements to an operator, (ii) a remote
monitoring of measurements, and (iii) a corrective
signal for modifying the rate of flow;

said fluid flow conduit having an outlet for flowing the
fluid from downstream of said transducer to a reservoir
for the fluid, the outlet extending transversely of
said conduit;

a housing for said conduit, the conduit inlet, the conduit
outlet, and said transducer, said housing having

opposed first and second walls, each of the walls
having an opening for the outlet therein; and

at least one of the walls being adapted for stacking
engagement with a second transducer module of a
substantially same structure, such that the outlets of
the modules are aligned to form portions of a common
outlet conduit.

2. The fluid flow transducer module in accordance with claim 1
and further comprising:

a second fluid flow conduit extending alongside said first
fluid flow conduit in said housing, said second fluid
flow conduit having a second inlet for receiving fluid
from a selected one of (i) the fluid discharging
apparatus, and (ii) another fluid discharging
apparatus;

a second transducer associated with said second fluid flow
conduit for measuring rate of flow of fluid from the
selected fluid discharging apparatus;

the interface in communication with said second transducer
and adapted to receive rate of flow measurements from

said second transducer and to effect a selected one of
(i)-(iii);

said second fluid flow conduit having a second outlet in
fluid flow communication with the common outlet conduit
for flowing the fluid from downstream of said second
transducer to the reservoir for the fluid; and

said housing having therein said second fluid flow conduit,
the second conduit inlet, said second transducer, and
the second outlet.

3. The fluid flow transducer module in accordance with claim 1
wherein said fluid flow conduit inlet is adapted to receive and
retain a fitting connection for a hose.

4. The fluid flow transducer module in accordance with claim 1
wherein the fluid flow conduit outlet is provided with internal
projections, and the module further comprises a collar adapted to
be disposed in the outlet and retained by the projections so as to
extend outwardly from the outlet.

5. The fluid flow transducer module in accordance with claim 1
and further comprising a collar fixed in the conduit outlet and
extending therefrom.

6. The fluid flow transducer module in accordance with claim 1 wherein said outlet conduit extends substantially normal to said fluid flow conduit.

7. The fluid flow transducer module in accordance with claim 1 wherein said housing is of a material selected from metal and rigid plastics.

8. The fluid flow transducer module in accordance with claim 1 and further comprising a cap over one of the openings in one of the walls, such that one end of said outlet conduit is closed.

9. A fluid flow transducer assembly comprising:

first and second fluid flow transducer modules;

each of said modules comprising

a fluid flow conduit having an inlet for receiving
fluid from a fluid discharging apparatus;

a transducer associated with said conduit for measuring
rate of flow of the fluid through said conduit;

an interface in communication with said transducer and
adapted to receive and act on rate of flow
measurements from said transducer;

said fluid flow conduit having an outlet for flowing
the fluid from said transducer to a reservoir, the
outlet extending transversely of said fluid flow
conduit;

a housing having opposed first and second walls, each
of the walls having an opening for the outlet
therein;

at least one of the walls of the first module being
adapted for stacking engagement with at least one
of the walls of the second module;

said first and second modules being joined together at the
respective one walls to form the fluid flow transducer
assembly; and

the fluid flow conduit outlets being thereby aligned to form
a common conduit in communication with a reservoir for
the fluid.

10. The fluid flow transducer assembly in accordance with claim 9 wherein the fluid flow outlets of the first and second modules are each provided with internal projections, and the assembly further comprises a collar disposed in the outlets of the modules and retained therein by the internal projections, the collar thereby aligning the outlets of the first and second modules.

11. The fluid flow transducer assembly in accordance with claim 9 and further comprising a collar fixed in the outlet of one of said modules and extending into the outlet of the other of said modules, the collar thereby aligning the outlets of the first and second modules.

12. The fluid flow transducer assembly in accordance with claim 9 wherein said common conduit extends substantially normal to said fluid flow conduits.

13. The fluid flow transducer assembly in accordance with claim 9 wherein said housing is of a material selected from metal and rigid plastics.

14. The fluid flow transducer assembly in accordance with claim 9 and further comprising a cap over an upper end of the outlet conduit of an uppermost of the modules.

15. A fluid flow transducer assembly comprising:

a plurality of transducer modules fastened together in
stacked fashion;

each of said modules having a fluid flow conduit in
communication with a fluid source, a flow rate
measuring transducer for measuring flow rate through
the flow conduit, and an outlet for flowing fluid from
the flow conduit out of the module;

the outlet of each of said modules extending through the
module from one side to another; and

a collar member disposed at one end in the outlet of a first
of the modules and at a second end in the outlet of a
second of the modules to align the first and second
modules;

wherein the outlets and the collar members form a common
outlet conduit for the modules.

16. The fluid flow transducer assembly in accordance with claim
15 wherein the common outlet conduit extends generally normal to
the fluid flow conduits.

17. The fluid flow transducer assembly in accordance with claim 16 wherein the outlet at a discharge end of the common outlet conduit is in communication with a fluid receiving resevoir.

18. The fluid flow transducer assembly in accordance with claim 17 wherein the outlet most remote from the discharge end of the common outlet conduit is capped.